

February 2018 Water Supply Briefing



National Weather Service/Northwest River Forecast Center

Telephone Conference: 1-914-614-3221

Pass Code: 619-465-763

Audio PIN provided when login into the webinar

Please Note:

In order to ask questions using phone, you will need to enter the provided AUDIO PIN using your phone key pad (PIN #). If you need to enter the PIN after you are connected, try (# PIN #).

You will be 'muted' until the presenter unmutes you. Use the 'raise hand' function to let presenter know you wish to be unmuted

Steve King, NWRFC W-ptr.Webmaster@noaa.gov (503)326-7291



Water Supply Forecast Briefing Outline



Observed Conditions WY2018:

- Precipitation
- Temperature
- Snowpack
- Runoff

Future Conditions:

- Weather Forecast (QPF)
- Climate Outlook (NOAA/NWS/CPC)

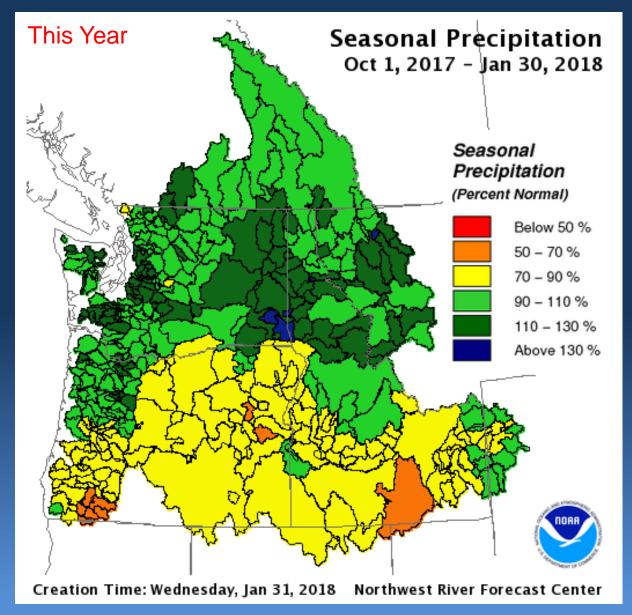
Water Supply Forecast Summary (ESP)

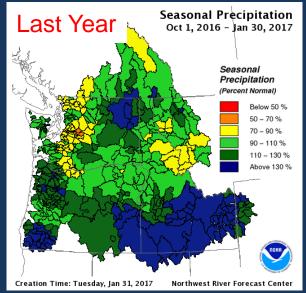


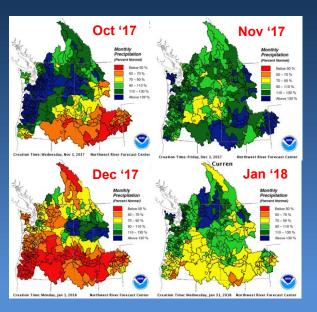
Observed Seasonal Precipitation (WY18)

NEATHER GENERAL STATES

(Percent of 30yr Normal)





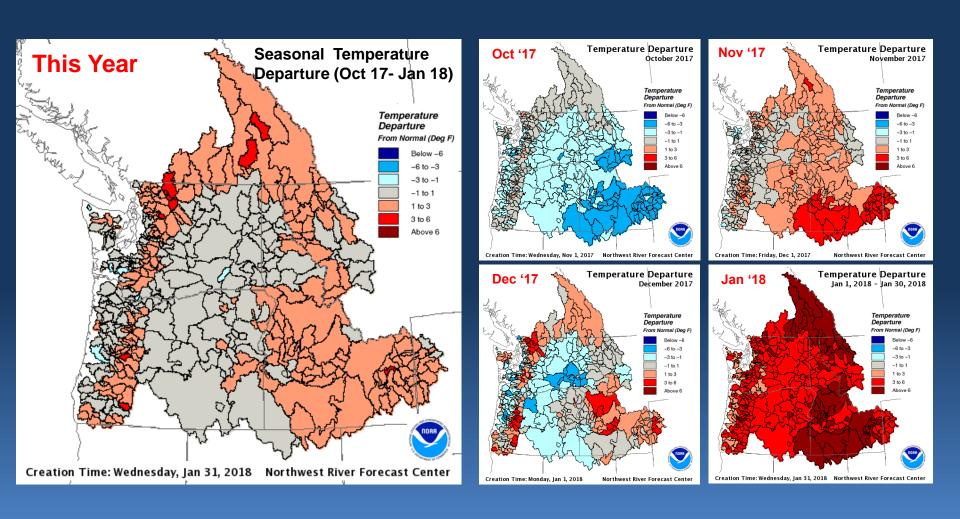




Observed Seasonal Temperature



Departure from 30yr Normal (Deg F)

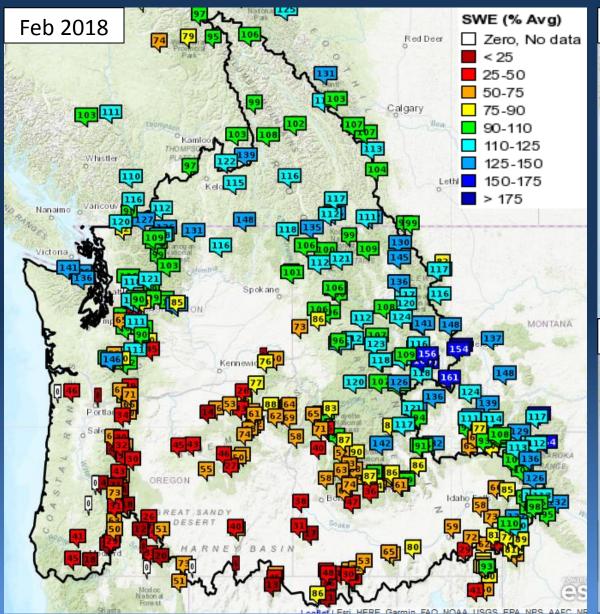


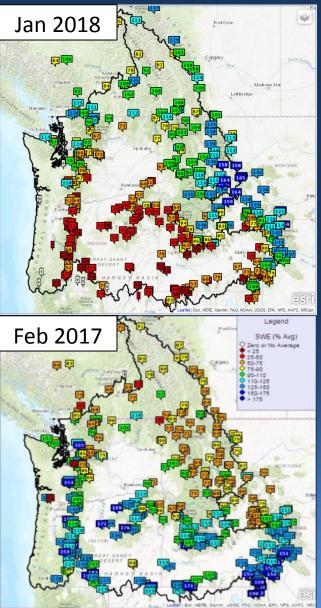


Snowpack Summary



Snow Water Equivalent (% 30yr Normal)



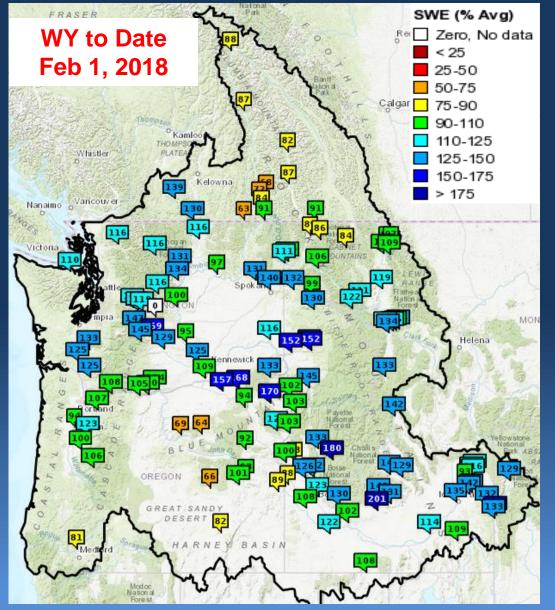




Current Adjusted Runoff Conditions



(Percent of 30yr Normal)



Current WY runoff % of normal slightly higher than last month's for upper eastside basins

UPPER COLUMBIA BASIN

MICA	+ 88%
DUNCAN	+ 82%
QUEENS BAY	+ 87%
LIBBY	+ 84%
HUNGRY HORSE	+109%
GRAND COULEE	+ 97%

SNAKE RIVER BASIN

JACKSON LAKE	- 129%
PALISADES	- 132%
DWORSHAK	+128%
LOWER GRANITE	+116%

LOWER COLUMBIA BASIN

THE DALLES +105%

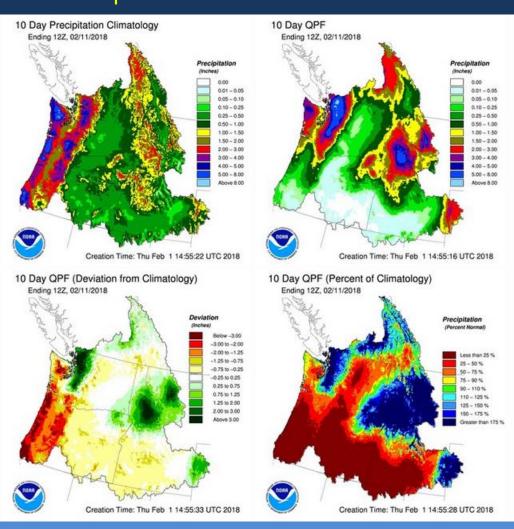


Weather Forecasts (next 10 days)

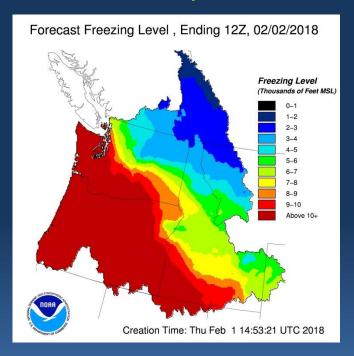


Feb 1, 2018 – Feb 10, 2018

10 Precipitation Total Accumulation



Freezing Level / Temps For Next 10s Days are WARM:





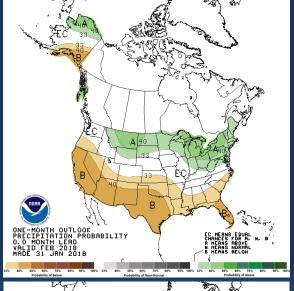
CPC Climate Outlook

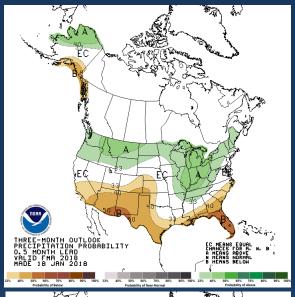


February 2018 Outlook
Updated Jan 31

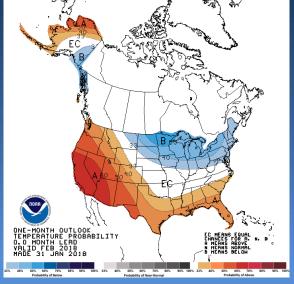
Three Month Outlook – FMA Updated Jan 18, next Issuance Feb 15

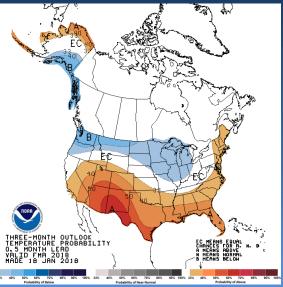
Precipitation





Temperature





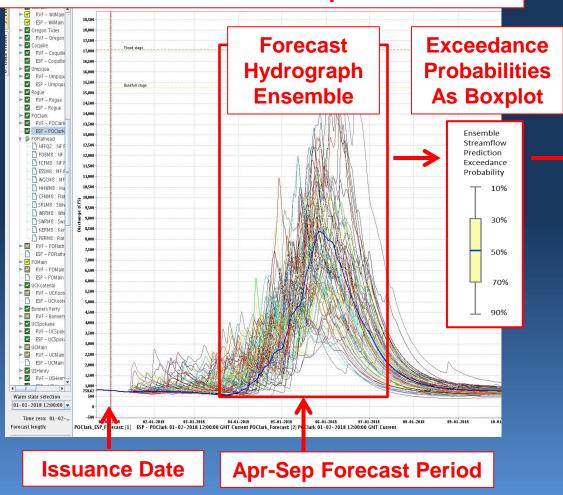


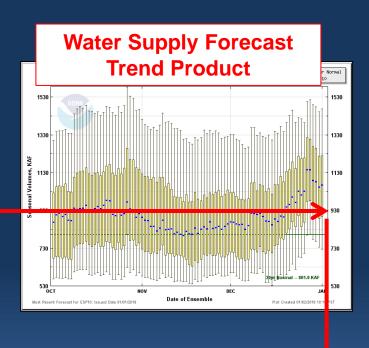
Water Supply Methodology

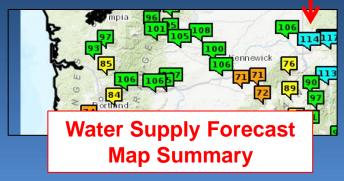


Model ensembles summarized as exceedance probabilities OFTEN oversimplified as a single number (median as % of 30yr normal)

CHPS is a NWS river modeling system ESP is the ensemble technique within CHPS





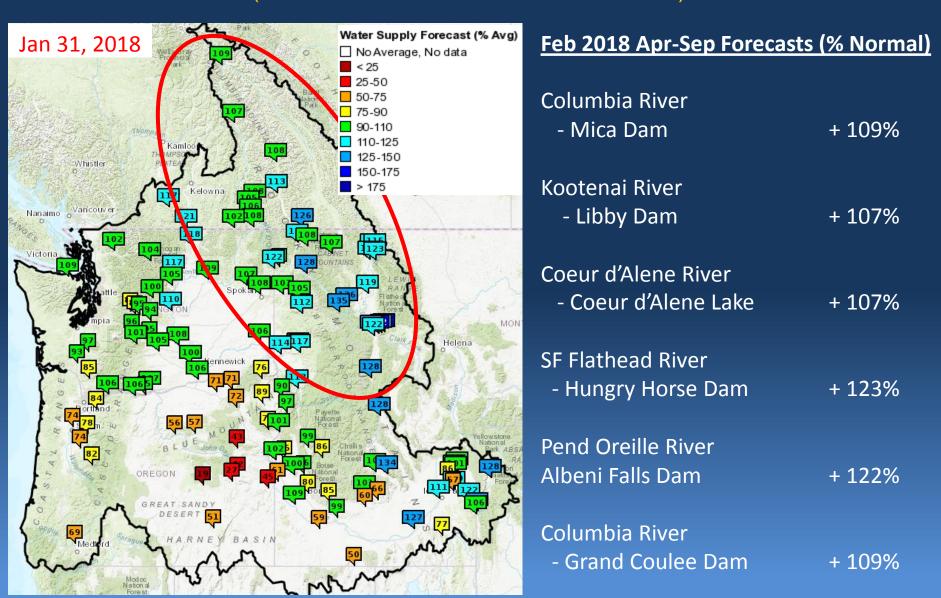




Upper Columbia Apr-Sep Water Supply



Forecast volumes above normal (consistent increase from last month)

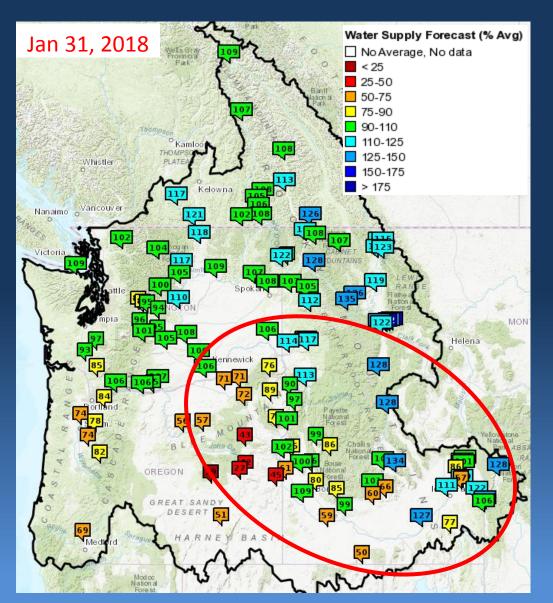




Snake River Apr-Sep Water Supply



Overall, volumes near/above normal (variability in volume and trend since last month)



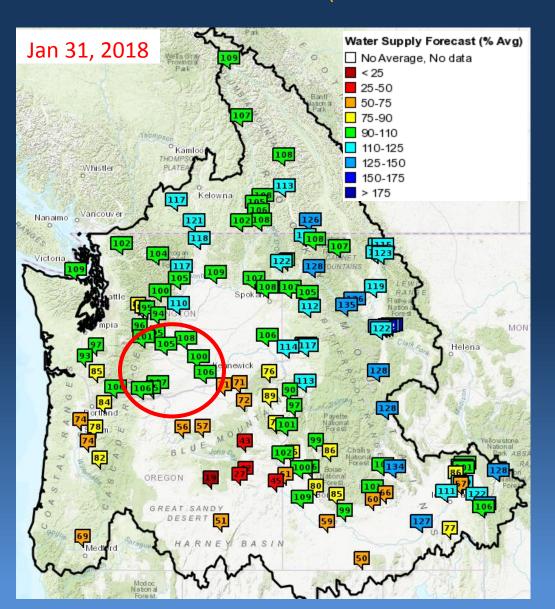
Feb 2018 Apr-Sep Forecasts (% Normal) **Upper Snake River** - Jackson Lake Dam + 128% - Palisades Dam + 122% - near Heise + 117% **Boise River** - Lucky Peak Dam - 80% NF Clearwater River - Dworshak Dam - 107% Lower Snake River - Lower Granite Dam + 106%



Mainstem Columbia River Apr-Sep Water Supply



Forecast volume above normal (increase from last month)



Feb 2018 Apr-Sep Forecasts (% Normal)

Lower Columbia

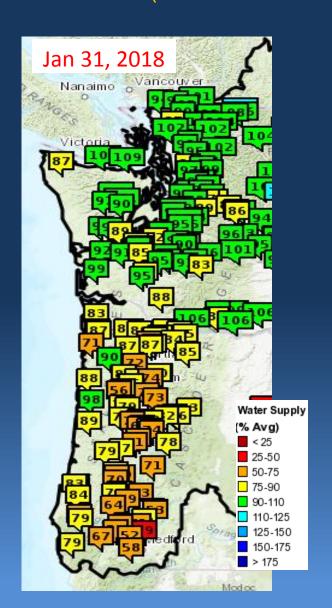
- The Dalles Dam + 107%
- (Jan 1, 2018 forecast was 96%)



Westside Apr-Sep Water Supply



Consistent spatial trend, wetter in north and drier in south (for southern basins, decrease from last month)



Feb 2018 Apr-Sep Forecasts (% Normal)

Skagit River

- near Concrete + 103%

Green River

- Howard Hanson Reservoir - 89%

Cowlitz River

- Mossyrock Reservoir - 95%

- Mayfield Reservoir - 95%

North Santiam

- At Mehama - 80%

Willamette River

- At Salem - 72%

Rogue River

- Applegate Reservoir - 58%



Questions?



In order to ask questions using your phone, you will need to enter the provided AUDIO PIN using your phone key pad (PIN #). If you need to enter the PIN after you are connected, try (# PIN #).

You will be 'muted' until the presenter (me) unmutes you. Use the 'raise hand' function to let us know that wish to be unmuted

Steve King, NWRFC W-ptr.Webmaster@noaa.gov (503)326-7291



NWRFC 2018 Water Supply Briefing Schedule



2018 Schedule for Live Water Supply Briefings						
Jan	Feb	Mar	Apr	May	June	
4	1	1	5	3	TBD	
All presentations held at 10:00am PDT/PST, unless noted otherwise						
Click here for Registration Information						

https://register.gotowebinar.com/rt/7651951505041247747



Alternate Audio Conference Call



We are having technical difficulties with the audio conferencing. Please hang up and re-connect on your phone using the following information.

Verizon Conferencing

Conference ID: 6349348

Participant Passcode: 90227

Phone Number: 1-888-749-6909



www.nwrfc.noaa.gov





stephen.king@noaa.gov kevin.berghoff@noaa.gov W-ptr.Webmaster@noaa.gov (503)326-7291